

MANUFACTURE OF MEDICAL CONTAINER CONTAINING MEDICAL SOLUTION WITH CARBONIC ACID COMPONENT

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Abstract

PROBLEM TO BE SOLVED: To nearly constantly keep a PH value in any stage before/after production or after long-term preservation and also to constantly keep a carbonic acid gas density by containing a carbonic acid component in one chamber and containing a mother solution consisting of electrolyte except the carbonic acid component by means of liquid-tight in the other chamber, executing a steam sterilization processing in a divided state and mixing them after the processing.

SOLUTION: In the producing method of a medical container containing a medical solution with the carbonic acid component, a transparent and flexible resin sheet which is inflation-molded is cut by prescribed size at first. Then, separating seal parts 3 and 3 for dividing containing chambers 4 and 5 are formed in the intermediate part of the cut sheet as a heat seal and the seal parts are formed as the ripping and opening possible seal part. Then, the carbonic acid component 6 generated by the suspension liquid of a bicarbonate or carbonic acid salt is contained by liquid-tight in one chamber 5 and the mother liquid 7 generated by electrolyte except the carbonic acid component is contained in the other chamber by liquid-tight. After that, the carbonic acid component 6 and the mother solution 7 are steam sterilization-processed in a separated state and they are mixed after the sterilizing processing.

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